

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	229	83/333.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 12:51
L2	120	belec.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 13:16
L3	33	83/322,346,678.ccls.	US-PGPUB	OR	ON	2006/05/23 13:17
L4	2645	"83"/\$.ccls.	US-PGPUB	OR	ON	2006/05/23 13:17
L5	3813	(disk or wheel or roll\$4 or anvil) and cut\$4 and (notch\$4 or recess) and perforat\$4	US-PGPUB	OR	ON	2006/05/23 13:20
L6	44	5 and 4	US-PGPUB	OR	ON	2006/05/23 13:19
L7	31277	(disk or wheel or roll\$4 or anvil) and cut\$4 and (notch\$4 or recess)	US-PGPUB	OR	ON	2006/05/23 13:20
L8	3813	5 and 7	US-PGPUB	OR	ON	2006/05/23 13:20
L9	1216	((disk or wheel or roll\$4 or anvil) and cut\$4 and (notch\$4 or recess)). clm.	US-PGPUB	OR	ON	2006/05/23 13:20
L10	83	9 and 4	US-PGPUB	OR	ON	2006/05/23 13:21

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	229	(perforat\$4 or punch\$4)adj wheel same shear same cut\$4	USOCR	OR	OFF	2003/07/21 15:42
		(perforat\$4 or punch\$4)adj wheel same shear same cut\$4 same notch	USOCR	OR	OFF	2003/07/21 15:40
		(perforat\$4 or punch\$4) same rollers same notch same shear and cut\$4	USOCR	OR	OFF	2003/07/21 15:39
		(perforat\$4 or punch\$4) same rollers same notch same shear same cut\$4	USOCR	OR	OFF	2003/07/21 15:36
		perforat\$4 and disk and (cut\$4 adj edge) and sheet	USOCR	OR	OFF	2003/07/18 19:58
		(cut\$4 adj edge) same (notch or slot) same perforat\$	USOCR	OR	OFF	2003/07/18 19:55
		(cut\$4 adj edge) same (notch or slot) same perforat\$	USOCR	OR	OFF	2003/07/18 19:50
		perforat\$4 and disks and nip and (cut\$4 adj edge) and sheet	USOCR	OR	OFF	2003/07/18 19:45
		83/333.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 12:00
S1	0	cut\$4 adj mailpieces	US-PGPUB; USPAT	OR	OFF	2003/04/04 16:51
S2	41	cut\$4 same mailpieces	US-PGPUB; USPAT	OR	OFF	2003/07/21 15:00
S3	518	271/149	US-PGPUB; USPAT	OR	OFF	2003/04/04 17:31
S4	5	271/149 and cut\$4 and mailpieces	US-PGPUB; USPAT	OR	OFF	2003/04/04 17:32
S5	5	271/149 and cut\$4 and mailpiece	US-PGPUB; USPAT	OR	OFF	2003/04/04 17:32
S6	1	"6250625".URPN.	USPAT	OR	OFF	2003/04/04 17:41
S7	9	("4615519" "4817368" "5083769" "5116039" "5119954" "5464099" "5934666" "5947461" "6164640").PN.	USPAT	OR	OFF	2003/04/04 18:22
S8	10	"5464099".URPN.	USPAT	OR	OFF	2003/04/04 18:04
S9	116	229/314	US-PGPUB; USPAT	OR	OFF	2003/04/04 18:28

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S10	56	229/314 and cut\$4	US-PGPUB; USPAT	OR	OFF	2003/04/04 18:28
S11	4	mailpiece and jog\$4 and cut\$4	US-PGPUB; USPAT	OR	OFF	2003/07/18 13:22
S12	885	open\$3 adj (mailpiece or envelope) and cut\$4	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:29
S13	24	open\$3 adj (mailpiece or envelope) and jog\$4 and cut\$4	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:37
S14	0	(perforat\$ adj (mailpiece or envelope)) and jog\$4	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:39
S15	75	(perforat\$ adj (mailpiece or envelope))	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:48
S16	27	perforat\$ same mailpiece	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:52
S17	0	(perforat\$ adj device) same mailpiece	US-PGPUB; USPAT	OR	OFF	2003/04/07 12:54
S18	0	(perforat\$ adj device) same (mailpiece or envelope)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:01
S19	32	(perforat\$ or cutter) same (mailpiece or envelope)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:03
S20	33	(perforat\$ or punch\$3) same (mailpiece or envelope)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:06
S21	1672	(perforat\$ or punch\$3) adj sheets	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:06
S22	0	(perforat\$ or punch\$3) adj sheets and (cut\$4 adj wheel) same notch	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:07
S23	149436	perforat\$ or punch\$3 adj envelope and (cut\$4 adj wheel) same notch	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:08
S24	149436	perforat\$ or punch\$3 adj envelope and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:08
S25	0	(perforat\$ or punch\$3) adj envelope and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:08
S26	10	(perforat\$ or punch\$3) adj sheet and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 13:20
S27	0	(cutter adj (wheel or roll)) and perforat\$3 and notch and envelope	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:12
S28	21	(cutter adj (wheel or roll)) and perforat\$3 and notch	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:22
S29	200	83/912	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:40
S30	689	83/912 envelope and mailpiece	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:43
S31	1202	83/912 envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:42

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S32	1003	envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:14
S33	1	(envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)) and 83/912	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:42
S34	0	83/912 and envelope and mailpiece	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:43
S35	9	83/912 and envelope and (cut\$4 adj wheel)	US-PGPUB; USPAT	OR	OFF	2003/04/07 14:44
S36	1	"5924840".URPN.	USPAT	OR	OFF	2003/04/07 14:46
S37	1	"5924840".URPN.	USPAT	OR	OFF	2003/04/07 14:47
S38	28	(mailpiece or envelope) and jog\$4 and cut\$4 and (biological or chemical or powder)	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:27
S39	26121	(mailpiece or envelope) and (biological or chemical or powder)	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:28
S40	0	(mailpiece or envelope) and (biological or chemical or powder) and (cut\$4 adj wheel) and jog\$4	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:29
S41	57	(mailpiece or envelope) and (biological or chemical or powder) and jog\$4	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:31
S42	0	mailpiece and jog\$4 and cut\$4 and (biological or chemical)	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:32
S43	0	mailpiece and jog\$4 and powder	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:32
S44	14	(envelope or mailpiece) and jog\$4 and powder	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:35
S45	32	(envelope or mailpiece) and jog\$4 and vacuum and compression	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:36
S46	104	(envelope or mailpiece) and jog\$4 and vacuum	US-PGPUB; USPAT	OR	OFF	2003/04/07 15:46
S47	159	perforat\$4 and disk and (cut\$4 adj edge) and sheet	US-PGPUB; USPAT	OR	OFF	2003/07/18 19:57
S48	6	perforat\$4 and disks and nip and (cut\$4 adj edge) and sheet	US-PGPUB; USPAT	OR	OFF	2003/07/18 19:45
S49	162	perforat\$4 and disks and nip	US-PGPUB; USPAT	OR	OFF	2003/07/18 14:07
S50	352	83/678	US-PGPUB; USPAT	OR	OFF	2003/07/18 16:19
S51	8	"3978753"	US-PGPUB; USPAT	OR	OFF	2003/07/18 16:23
S52	1	"6063094".URPN.	USPAT	OR	OFF	2003/07/18 16:24

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S53	13	("2582511" "3364920" "4038986" "4098278" "4665915" "4690139" "4917086" "5004468" "5209755" "5219352" "5306279" "5873881" "6063094").PN.	USPAT	OR	OFF	2003/07/18 16:24
S54	1	"6063094".URPN.	USPAT	OR	OFF	2003/07/18 16:25
S55	6	("3470782" "3866497" "3978752" "3978753" "5196020" "5219352").PN.	USPAT	OR	OFF	2003/07/18 16:25
S56	6	"3978753".URPN.	USPAT	OR	OFF	2003/07/18 16:25
S57	3	("3067643" "3152501" "3408735").PN.	USPAT	OR	OFF	2003/07/18 18:19
S58	10	"3152501".URPN.	USPAT	OR	OFF	2003/07/18 16:26
S59	4	"5029506".URPN.	USPAT	OR	OFF	2003/07/18 16:28
S60	7	("3152501" "3677122" "3760671" "3777610" "3908499" "3988976" "4667552").PN.	USPAT	OR	OFF	2003/07/18 16:29
S61	2957	perforat\$4 and disk and cut\$4 and sheet	US-PGPUB; USPAT	OR	OFF	2003/07/18 16:48
S62	58	perforat\$4 same disk same cut\$4 same sheet	US-PGPUB; USPAT	OR	OFF	2003/07/18 16:50
S63	39	perforat\$4 and castellat\$3 same edge	US-PGPUB; USPAT	OR	OFF	2003/07/18 20:00
S64	3	"4167991".URPN.	USPAT	OR	OFF	2003/07/18 16:56
S65	5	("2456488" "3152480" "3830347" "3907080" "4036358").PN.	USPAT	OR	OFF	2003/07/18 16:56
S66	6	"3978752".URPN.	USPAT	OR	OFF	2003/07/18 17:23
S67	0	"6035753".URPN.	USPAT	OR	OFF	2003/07/18 17:28
S68	10	("0526347" "3463039" "3554070" "3978752" "3978753" "4699035" "4745835" "4805502" "5029506" "5174184").PN.	USPAT	OR	OFF	2003/07/18 17:28
S69	7	"3463039".URPN.	USPAT	OR	OFF	2003/07/18 17:36
S70	1	"5868057".URPN.	USPAT	OR	OFF	2003/07/18 17:39
S71	21	("0371736" "1441708" "1710142" "2266958" "2401310" "2799930" "2825407" "2842202" "2973578" "3120777" "3147658" "3205750" "3394866" "3427912" "3463039" "3813977" "3860158" "4706533" "5117721" "5448833" "5492041").PN.	USPAT	OR	OFF	2003/07/18 17:39
S72	3	"5117721".URPN.	USPAT	OR	OFF	2003/07/18 17:41

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S73	4	("1177057" "1712034" "2842202" "5022299").PN.	USPAT	OR	OFF	2003/07/18 17:41
S74	0	cut\$4 adj edge same width same preforat\$4 same notch	USPAT	OR	OFF	2003/07/18 18:19
S75	0	(cut\$4 adj edge) same width same preforat\$4 same notch	USPAT	OR	OFF	2003/07/18 18:19
S76	0	(cut\$4 adj edge) same preforat\$4 same notch	USPAT	OR	OFF	2003/07/18 18:20
S77	1399	(cut\$4 adj edge) same notch	USPAT	OR	OFF	2003/07/18 18:20
S78	35	(cut\$4 adj edge) same notch same perforat\$	USPAT	OR	OFF	2003/07/18 18:22
S79	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	OR	OFF	2003/07/18 18:23
S80	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	OR	OFF	2003/07/18 19:55
S81	5	"4444080".URPN.	USPAT	OR	OFF	2003/07/18 18:40
S82	6	("0461600" "2870840" "3709077" "3828637" "4010666" "4370908").PN.	USPAT	OR	OFF	2003/07/18 18:40
S83	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	OR	OFF	2003/07/18 18:59
S84	254	(cut\$4 adj edge) same (notch or slot) same (disk or wheel)	USPAT	OR	OFF	2003/07/18 19:01
S85	0	envelop same proforat\$4 same slot same (disk or wheel)	USPAT	OR	OFF	2003/07/18 19:02
S86	0	envelop same preforat\$4 same slot same (disk or wheel)	USPAT	OR	OFF	2003/07/18 19:02
S87	1	perforat\$4 same slot same (disk or wheel)	USPAT	OR	OFF	2003/07/18 19:03
S88	6859	envelop	USPAT	OR	OFF	2003/07/18 19:03
S89	9	envelop same cut\$4 same (disk or wheel)	USPAT	OR	OFF	2003/07/18 19:06
S90	0	(disk or wheel) same (sheet or paper) and perforat\$4 and (cut\$4 adj edg)	USPAT	OR	OFF	2003/07/18 19:08
S91	3023	(disk or wheel) same (sheet or paper) and perforat\$4	USPAT	OR	OFF	2003/07/18 19:08
S92	8	(disk or wheel) same (sheet or paper) and perforat\$4 same slot same punch	USPAT	OR	OFF	2003/07/18 19:11
S93	7	"3602080".URPN.	USPAT	OR	OFF	2003/07/18 19:10
S94	4	("3106859" "3175443" "3194095" "3334533").PN.	USPAT	OR	OFF	2003/07/18 19:11

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S95	110	(disk or wheel) same (sheet or paper) and perforat\$4 same punch	USPAT	OR	OFF	2003/07/18 19:36
S96	4	"4166613".URPN.	USPAT	OR	OFF	2003/07/18 19:19
S97	2	("2261315" "2769496").PN.	USPAT	OR	OFF	2003/07/18 19:19
S98	4	"5117721"	USPAT	OR	OFF	2003/07/18 19:44
S99	6	"5537905".URPN.	USPAT	OR	OFF	2003/07/18 19:37
S100	8	("2361288" "2401310" "2731902" "3411208" "3824887" "4829854" "5117721" "5240755").PN.	USPAT	OR	OFF	2003/07/18 19:37
S101	11	"5240755".URPN.	USPAT	OR	OFF	2003/07/18 19:38
S102	7	("2264339" "3892901" "3920122" "4889731" "4925716" "4951967" "5114771").PN.	USPAT	OR	OFF	2003/07/18 19:39
S103	10	"4951967".URPN.	USPAT	OR	OFF	2003/07/18 19:41
S104	8	("2176815" "2343119" "2700556" "2775448" "2782056" "3228710" "3343851" "3809410").PN.	USPAT	OR	OFF	2003/07/18 19:42
S105	12	perforat\$4 and disks and nip and cut and punch	USOCR	OR	OFF	2003/07/18 19:46
S106	16	"3554070"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/18 19:50
S107	0	"6289777".URPN.	USPAT	OR	OFF	2003/07/18 19:52
S108	7	"4228735".URPN.	USPAT	OR	OFF	2003/07/18 19:52
S109	12	("0010001" "2683409" "3068788" "3106121" "3203292" "3431847" "3524922" "3554070" "3583269" "3593987" "3611921" "4044666").PN.	USPAT	OR	OFF	2003/07/18 19:53
S110	93	perforat\$4 and castellat\$3 same edge	USOCR	OR	OFF	2003/07/18 20:02
S111	39	perforat\$4 and castellat\$3 same edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/18 20:02
S112	10	"4521309".URPN.	USPAT	OR	OFF	2003/07/18 20:05

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S11 3	2	("3457339" "4104170").PN.	USPAT	OR	OFF	2003/07/18 20:06
S11 4	5	"4444080".URPN.	USPAT	OR	OFF	2003/07/21 14:32
S11 5	0	(perforat\$4 or punch\$4) and (sheer adj cut\$4) and rollers and notch	US-PGPUB; USPAT	OR	OFF	2003/07/21 15:02
S11 6	2402	(perforat\$4 or punch\$4) and rollers and notch	US-PGPUB; USPAT	OR	OFF	2003/07/21 15:03
S11 7	88	(perforat\$4 or punch\$4) same rollers same notch	US-PGPUB; USPAT	OR	OFF	2003/07/21 15:24
S11 8	9	"4068366".URPN.	USPAT	OR	OFF	2003/07/21 15:15
S11 9	9	"4068366".URPN.	USPAT	OR	OFF	2003/07/21 15:17
S12 0	4	("0716052" "1166888" "2266552" "3293725").PN.	USPAT	OR	OFF	2003/07/21 15:17
S12 1	1228	(perforat\$4 or punch\$4) same rollers same notch	USOCR	OR	OFF	2003/07/21 15:29
S12 2	101	(perforat\$4 or punch\$4) same rollers same notch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:25
S12 3	0	((perforat\$4 or punch\$4)adj wheel) same shear same cut\$4 same notch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:40
S12 4	1	(perforat\$4 or punch\$4)adj wheel same shear same cut\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:44
S12 5	379	(perforat\$4 or punch\$4)adj wheel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:44
S12 6	0	(perforat\$4 or punch\$4) adj wheel same sheer same notch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:45
S12 7	0	(perforat\$4 or punch\$4) adj wheel same sheer and notch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 15:45

EAST Search History

S12 8	379	(perforat\$4 or punch\$4) adj wheel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:15
S12 9	6	"3978752".URPN.	USPAT	OR	OFF	2003/07/21 16:17
S13 0	131658	83/332 or 83/346 or 83/345 or "368" or 83/370	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:14
S13 1	24	(83/332 or 83/346 or 83/345 or "368" or 83/370) and (perforat\$4 or punch\$4) adj wheel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:16
S13 2	36102	"429"/\$.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:16
S13 3	0	"429"/\$.CCLS. and (perforat\$4 or punch\$4) adj wheel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:16
S13 4	3381	"429"/\$.CCLS. and (perforat\$4 or punch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:16
S13 5	86	"429"/\$.CCLS. and (perforat\$4 or punch\$4) AND NOTCH	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/07/21 18:17
S13 6	3	ghassem near2 alie	US-PGPUB; USPAT	OR	OFF	2003/07/22 12:57
S13 7	26	phong near2 nguyen	US-PGPUB; USPAT	OR	OFF	2003/07/22 12:59
S13 9	1682	83/332,346,345,370,912,678.ccls.	USPAT	OR	ON	2004/01/14 17:33
S14 0	913	83/332,346,345,370,912,678.ccls.	USOCR	OR	ON	2004/01/14 17:33
S14 1	518	83/448,500,508.3,666.ccls.	USOCR	OR	ON	2004/01/14 17:34

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S14 2	866	83/448,500,508.3,666.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/14 17:34
S14 3	716	493/365,368,367,370.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/14 17:34
S14 4	498	493/365,368,367,370.ccls.	USOCR	OR	ON	2004/01/14 17:34
S14 5	74	83/448,500,508.3,666.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/14 17:38
S14 6	43	493/365,368,367,370.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/14 17:39
S14 7	56	83/448,500,508.3,666.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	OR	ON	2004/01/14 17:39
S14 8	101	493/365,368,367,370.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	OR	ON	2004/01/14 17:39
S14 9	157	83/332,346,345,370,912,678.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/14 17:40
S15 0	164	83/332,346,345,370,912,678.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	OR	ON	2004/01/14 18:49
S15 1	229	83/333.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 18:47
S15 2	1722	83/332,346,345,370,912,678.ccls.	USPAT	OR	ON	2006/05/22 19:07

EAST Search History

S15 3	2771	83/332,346,345,370,912,678.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 19:07
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